

CLAIMS:

1. A method for preparing a woven vascular prosthesis with  
a uniform velour outer layer characterized in that the tubing is  
woven in a complex weave, wherein the elementary unit of said  
5 tubing is composed of double velour outer layer, made from  
polyester yarn, the middle layer, made from two polyester yarns ,  
positioned between two strained polyurethane monofilament yarns and  
four polyurethane yarn monofilaments, the smooth inner surface and  
linking of all three layers made of polyester wefts , with  
10 subsequent impregnating of said tubing under vacuum by aqueous  
gelatin-glycerol solution.

2. The method of Claim 1, wherein the polyurethane  
monofilaments are strained up to 200%.

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3. The method of Claim 1, wherein the said solution contains  
gelatin about 12% (w/v) and glycerol from about 12 to about 15%  
(w/v) .

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4. A tubular vascular prosthesis with a uniform velour outer  
layer, characterized in that the elementary unit of said tubing is  
composed of a double velour outer layer, made from polyester yarn,  
the middle layer, made from two polyester yarns, positioned between

two strained polyurethane monofilament yarns and four polyurethane yarn monofilaments, the smooth inner surface and linking of all three layers made of polyester wefts, the between filaments filled with aqueous gelatin-glycerol solution.